

**ABSTRACT**

A light detection device 1 comprises a photocathode 30 and an electron multiplier 50, which are positioned inside a vacuum container 10. A  
5 photomultiplier tube is arranged from these components. Light detection device 1 is equipped with an optical fiber 20, through which a light signal L flows, and photocathode 30 is formed on an end face 27 of optical fiber 20.